

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled
METHODS OF PREVENTING OR TREATING INFLAMMATORY OR AUTOIMMUNE DISORDERS BY ADMINISTERING INTEGRIN $\alpha_v\beta_3$ ANTAGONISTS IN COMBINATION WITH OTHER PROPHYLACTIC OR THERAPEUTIC AGENTS

and for which a patent application:

- ☐ is attached hereto.
☐ was filed in the United States on March 4, 2002 as Application No. 10/091,236 (for declaration not accompanying application) with amendment(s) filed on (if applicable)
☐ was filed as PCT international Application No. on and was amended under PCT Article 19 on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

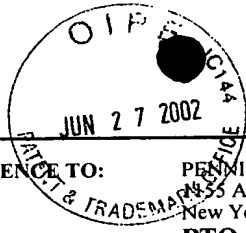
I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE
60/273,098	March 2, 2001
60/316,321	August 31, 2001
60/346,918	October 19, 2001
60/358,424	February 19, 2002

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

POWER OF ATTORNEY: As a named inventor, I hereby appoint Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), Thomas E. Friebe (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No. 31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), Ann L. Gisolfi (Reg. No. 31956), Todd A. Wagner (Reg. No. 35399), Scott B. Familant (Reg. No. 35514), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No. 35679), Michael J. Lyons (Reg. No. 37386), Garland T. Stephens (Reg. No. 37242), William J. Sipio (Reg. No. 34514), Nikolaos C. George (Reg. No. 39201), Stephen S. Rabinowitz (Reg. No. 40286), Ognjan V. Shentov (Reg. No. 38051), and Kenneth L. Stein (Reg. No. 38704), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.



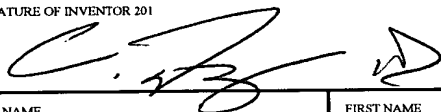
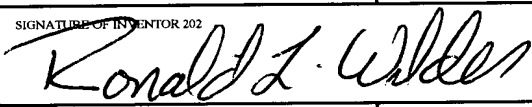
SEND CORRESPONDENCE TO:

PENNIE & EDMONDS LLP
1455 Avenue of the Americas
New York, N.Y. 10036-2711

PTO Customer No. 20583

DIRECT TELEPHONE CALLS TO:
PENNIE & EDMONDS LLP DOCKETING
(212) 790-2803

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	LAST NAME Dingivan	FIRST NAME Christine	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Germantown	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 13300 F. Kilmarnock Way, Apt. 3F	CITY Germantown,	STATE OR COUNTRY MD	ZIP CODE 20874
	SIGNATURE OF INVENTOR 201 			DATE 5/8/02	
202	FULL NAME OF INVENTOR	LAST NAME Wilder	FIRST NAME Ronald	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Rockville	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 7508 Tarpley Drive	CITY Rockville	STATE OR COUNTRY MD	ZIP CODE 20855
	SIGNATURE OF INVENTOR 202 			DATE 03 Jun 02	
203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 203			DATE	
204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 204			DATE	
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 205			DATE	



Express Mail No.: EL 477 036 775 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Dingivan et al.

Confirmation No.: 7180

Application No.: 10/091,236

Group Art Unit: 1651

Filed: March 4, 2002

Examiner: To Be Assigned

For: METHODS OF PREVENTING OR
TREATING INFLAMMATORY OR
AUTOIMMUNE DISORDERS BY
ADMINISTERING INTEGRIN $\alpha_v\beta_3$
ANTAGONISTS IN
COMBINATION WITH OTHER
PROPHYLACTIC OR
THERAPEUTIC AGENTS

Attorney Docket No.: 10271-053

**TRANSMITTAL OF POWER OF ATTORNEY BY ASSIGNEE
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. § 3.71**

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

Submitted herewith is a Power of Attorney By Assignee and Exclusion of Inventor(s) Under 37 C.F.R. § 3.71 ("Power of Attorney") executed by Timothy R. Pearson, Vice President, Treasurer and Secretary, on behalf of MedImmune, Inc., the assignee of the above-identified patent application. Applicants respectfully request that the enclosed Power of Attorney be made of record in the file of the application.

Applicants do not believe there is a fee due in connection with this submission. However, should the Patent and Trademark Office determine otherwise, please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150.

Respectfully submitted,

Date June 27, 2002

Anthony M. Insogna 35,203
Anthony M. Insogna (Reg. No.)

PENNIE & EDMONDS LLP
1155 Avenue of the Americas
New York, New York 10036-2711
(212) 790-9090

By: Jennifer J. Chheda
Reg No. 46,617



POWER OF ATTORNEY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Dingivan et al.

Application No.: 10/091,236

Group Art Unit: 1651

Filed: March 4, 2002

Examiner: To Be Assigned

For: **METHODS OF PREVENTING OR
TREATING INFLAMMATORY OR
AUTOIMMUNE DISORDERS BY
ADMINISTERING INTEGRIN $\alpha_v\beta_3$
ANTAGONISTS IN COMBINATION WITH
OTHER PROPHYLACTIC OR
THERAPEUTIC AGENTS**

Attorney Docket No.: 10271-053-999

Confirmation No.: 7180

POWER OF ATTORNEY BY ASSIGNEE AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. § 3.71

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints: Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), Thomas E. Friebe (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No.

POWER OF ATTORNEY

31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), Ann L. Gisolfi (Reg. No. 31956), Todd A. Wagner (Reg. No. 35399), Scott B. Familant (Reg. No. 35514), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No. 35679), Michael J. Lyons (Reg. No. 37386), Garland T. Stephens (Reg. No. 37242), William J. Sipio (Reg. No. 34514), Nikolaos C. George (Reg. No. 39201), Stephen S. Rabinowitz (Reg. No. 40286), Ognjan V. Shentov (Reg. No. 38051), and Kenneth L. Stein (Reg. No. 38704), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, all of Pennie & Edmonds LLP (PTO Customer No. 20583), as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71, provided that, if any one of these attorneys ceases being affiliated with the law firm of Pennie & Edmonds LLP as partner, counsel, or employee, then the appointment of that attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Please direct all correspondence for this application to customer no. 20583.

I am the:

- ☐ Applicant/Inventor
- ☒ Assignee of the entire interest. See 37 CFR § 3.71.
(Statement under 37 CFR §3.73(b) is applicable)

Statement Under 37 C.F.R. § 3.73(b)

MedImmune, Inc. states that it is:

- ☒ the assignee of the entire right, title, and interest; or
- ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- ☒ A copy of the assignment transferring the inventors' entire interest in the patent application identified above is attached hereto.

OR

- ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

POWER OF ATTORNEY

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office on _____
_____ at Reel _____, Frame _____, or for which a copy thereof is
attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office on _____
_____ at Reel _____, Frame _____, or for which a copy thereof is
attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office on _____
_____ at Reel _____, Frame _____, or for which a copy thereof is
attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments of other documents in the chain of title are attached.
[Note: A separate copy (i.e., the original assignment document or a true copy of the original
document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if
the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: 6/6/02

ASSIGNEE: MedImmune, Inc.

Signature: *Timothy R. Pearson*

Typed Name: Timothy Pearson

Position/Title: Vice President, Treasurer & Secretary

Address: 35 West Watkins Mill Road
Gaithersburgh, MD 20878

ASSIGNMENT

JOINT

WHEREAS, WE, **Christine Dingivan**, a citizen of the United States residing at 13330 F. Kilmarnock Way, Apt. 3F, Germantown, Maryland 20874, and **Ronald Wilder**, a citizen of the United States residing at 7508 Tarpley Drive, Rockville, Maryland 20855 ("ASSIGNORS"), are the inventors of the invention in **METHODS OF PREVENTING OR TREATING INFLAMMATORY OR AUTOIMMUNE DISORDERS BY ADMINISTERING INTEGRIN $\alpha_v\beta_3$ ANTAGONISTS IN COMBINATION WITH OTHER PROPHYLACTIC OR THERAPEUTIC AGENTS**

for which we have executed an application for a Patent of the United States

- ☒ which is identified by Pennie & Edmonds LLP docket no. 10271-053
- ☒ which was filed on **March 4, 2002**, Application No. **10/091,236**

and WHEREAS, **MedImmune, Inc.**, having a place of business at 35 West Watkins Mill Road, Gaithersburg, Maryland 20878 ("ASSIGNEE"), is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

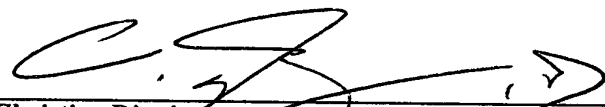
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;


AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 05 June, 2002  L.S.
Christine Dingivan

Date 03 Jun, 2002  L.S.
Ronald Wilder

State of Maryland }
County of Montgomery } SS.:

On June 5, 2002, before me, Edward Amaya, Notary Public, personally appeared **Christine Dingivan**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

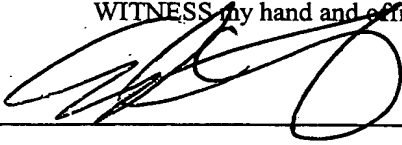
WITNESS my hand and official seal


EDWARD I. AMAYA
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires January 4, 2006

State of Maryland }
County of Montgomery } SS.:

On June 3, 2002, before me, Edward Amaya, Notary Public, personally appeared **Ronald Wilder**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal



EDWARD I. AMAYA
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires January 4, 2006